**3.3 Heat Loss and Insulation Inquiry Sheet Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Since moving to Alberta I have started to realize that one of the challenges of living here is trying to keep my house a comfortable temperature without too much cost. In the winter it means keeping the cold out and holding in as much of the warmth as possible. In the summer the opposite is true.

1. What are five common ways where heat escapes a home?
2. Look at the infrared image of the house losing heat on the BBC website:
3. What colours show the most heat loss?
4. What colors show the least heat loss?
5. What are some things you can do to your home to reduce heat loss?
6. What are R-values for insulation?
7. What does a higher R-value mean?
8. What are the suggested by R-values for Alberta homes by Climate Change Central for:
9. Attics:
10. External wall:
11. Why do you think Attics have a higher R-value than external walls?
12. Please explore the interactive house for many ways to save energy:

<http://www.eonenergy.com/for-your-home/Get-energy-efficient/interactive-house>

What can you suggest to your parents to save money in your home?